

WHAT IS CLAIMED IS:

1. (Original) A method to temperature compensate data of a fluid while in use that comprises:
 - a) collecting data when fluid temperature changes from a first threshold temperature to at least a second threshold temperature at least at a threshold rate;
 - b) determining the temperature dependence of the collected data; and,
 - c) using the determined data-temperature-dependence for temperature compensating data of the fluid's condition.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Original) The method of claim 1 wherein the method further comprises determining at least one of the following selected from the group consisting of: threshold temperature, threshold rate or combinations thereof.
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Currently Amended) The method of claim 14 wherein a property of the determined data-temperature-dependence not being within at least one property limit is selected from the group consisting of comprising: the determined data-temperature-dependence alone; a function of the determined data-temperature-dependence and the current data-temperature-dependence and combinations thereof.
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)